EPSON®

MULTIMEDIA PROJECTOR

EasyMP.net™ Operation Guide

EMP-8300
PowerLite® 8300i

Contents

Appendices   **44**

Projector Functions

The EasyMP.net installed in the projector provides the functions required for presentation. The following explains how to use each of these simple but powerful software functions.

Displaying Motion Pictures and Video Images (EasyPlayer)

Use the EasyPlayer software to play back motion pictures, sounds and still images. To start EasyPlayer, click "EasyPlayer" on the Main Menu. EasyPlayer can display or play back the following motion pictures, sounds and still image files.

File format/type	File extension
Windows media (audio/video file)	.asf, .asx, .wma, .wmv, .wmx
Windows audio/video file	.avi, .wav
MPEG (Moving Picture Experts Group)	.mpeg, .mpg
MP3	.mp3
Still image file	.bmp, .jpg, .jpeg, .png

TIP

When using your projector system for the first time, you must initialize EasyPlayer. Set it up by following the on-screen instructions. Once initialized, you need not repeat the initialization during the second and subsequent startup.

Selecting a File

To select and open a file in EasyPlayer, use the File Manager shown at the right of the screen. Click "EasyMP.net" or "NetWork" to select the file location, and browse to the folder that contains the desired file.

File Manager

Changes the display format of the file list.

Click an icon to select the file location.

Properties window Displays information about the current playback file

The file list is switched from large icon display, small icon display and detailed display each time ⊞ is clicked (as shown below).

Playlist

By double-clicking a motion picture file, audio file or playlist file, the listing information is stored in the ASX file is displayed in the playlist. You can also open the playlist by clicking the "Playlist" tab.

To play a playlist item, double-click its tab. If you skip item selection and click "Play", the first item in the playlist is played.

When the playback ends, the next item is played. If no item remains, the system pauses. The Playlist items are played in the sequence of ASX files. The item sequence cannot be changed.

Continuous Play of Still Image Files from a Folder

Right-click a folder in the File Manager and select "Plazing the slide show" to play still image files from the folder continuously.

To change the play interval or effects of the slide show, use EasyConfiguration. ☞
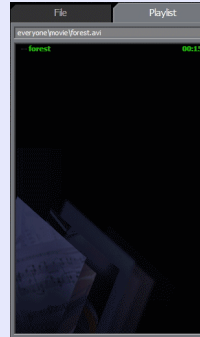
Playing Motion Pictures

The projector can play, pause, rewind, or fast forward motion pictures in a similar way to a video cassette recorder (VCR). The "Rewind" and "Fast Forward" operations stop when their buttons are released

Selects a file.

Operation buttons

Display Full-screen mode

Full-screen display

To display an image on the entire screen, click "Full screen". In the full-screen display mode, you can open a shortcut menu for further functions by clicking the right mouse button.

Quit full-screen display

Playing Sounds

Similar to motion pictures, MP3 and other sound files can be Paused, Previous, Rewound or Fast Forwarded. EasyPlayer displays the following image during sound play.

Selects a file.

Operation buttons

Selects Full-screen display mode.

Full-screen display

To display an image on the entire screen, click "Full screen". In the full-screen display mode, you can open a shortcut menu for further functions by clicking the right mouse button.

Quit full-screen display

Displaying a Digital Camera Image (Still Image)

Still image files such as JPEG-format files (.jpg, .jpeg) and Windows bitmap files (.bmp) can be displayed. To rotate the image, click the "Rotate to right" or "Rotate to left" buttons, or right-click the image and select "Rotate to right" or "Rotate to left".

Use the "Rotate to right" or "Rotate to left" button to rotate the image.

Selects Full-screen display mode.

Full-screen display

To display an image on the entire screen, click "Full screen". In full-screen display mode, you can open a shortcut menu for further functions by clicking the right mouse button.

Non-display

Rotate to right

Rotate to left
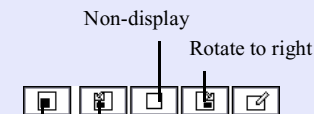
Quit full-screen display

Adding a Comment to the Projected Still images

A comment can be added by using the EasyMarker feature.
Right-click the full screen image (☞ p.6) and select "EasyMarker".

Start EasyMarker
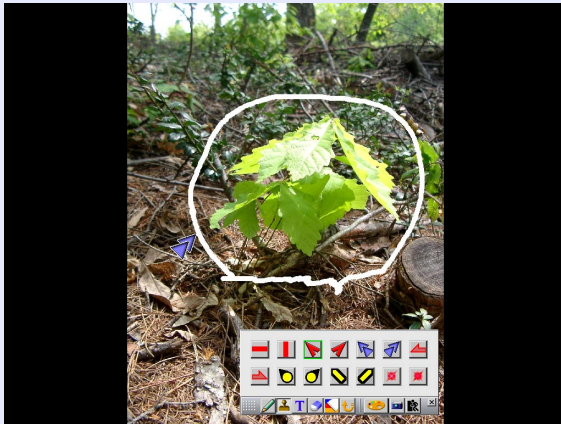
The image with comments can be saved.
☞ "Save Tool" p.11.

Copying/Moving/Deleting/Executing a File (EasyFile)

Use EasyFile to process a file. Click "EasyFile" on the Task Manager.

Selecting a File

To select a file from EasyFile, click "EasyMP.net", then "NetWork", then a folder to select the file location.
The file list is switched from large icon display to small icon display and detailed display, each time ⊞ is clicked (as shown below).
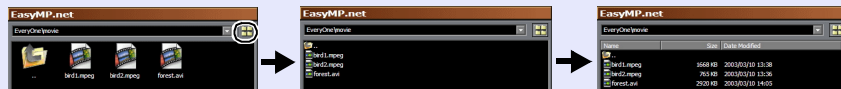
Copying or Moving a File

To copy or move a file using EasyFile, drag and drop the file from the right File Manager to the left one or vice versa. A file residing on the network can be copied or moved. You can also copy or move a file by clicking "Copy", "Cut" and "Paste" at the top of the EasyFile window.

Deleting a File

To delete a file, select it and click "Delete".
To delete multiple files at the same time, select the files by dragging and click "Delete". When you are using both keyboard and mouse, hold down the [Shift] key (for range selection) or the [Ctrl] key (for a single file selection) and click the files to be deleted.

Executing a File

To execute a file or to open and display a file using its related software, double-click the file or right-click the file and select "Run".
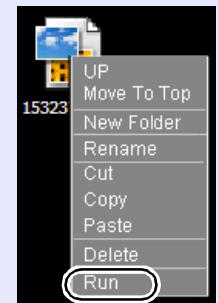
Displaying a Web Page (EasyBrowser)

To display a Web page, use EasyBrowser. Click "EasyBrowser" on the Main Menu. EasyBrowser is a tab browser that can display multiple Web pages. During a presentation, you can display other Web pages in other windows and you can switch and project the required page one after the other.

Operation

Click the toolbar buttons and tabs at the top of the screen to display Web pages.

■ Operation Buttons

Button	Name	Function
	Back/ Forward	Moves between the pages (forward or backward).
	Stop	Stops reading the page.
	Refresh	Updates the page.
	Home	Displays the default "Home page"(Set Home☛ p.21).
	Search	Displays the default "Search page" (Set a Search Page ☛ p.21).
	Favourites	Adds or deletes a page to/from "Favourites".
	Text size	Changes the size of characters on the page. (The default setting is the intermediate size.)
	Encoding	Changes the language encoding system (language and character set) used on the page.
	Open New Window	Opens another window and displays a Web page.

Button	Name	Function
	Go	Moves to the URL page you have entered in the Address input field.
	Start EasyMarker	Starts EasyMarker to add markings and comments. ("Adding Markings and Comments during a Presentation" ☛ p.11)
	Page End	Closes the window.
	Fixed Menu	Make the window take up the whole screen or shrink the window by displaying or clearing the toolbar and tab. During maximum display, the toolbar and tab are redisplayed once the cursor is moved to the top of the screen.

Displaying a page using its URL
To display a Web page, enter the URL in the address input field and click "Move".
If you have already added the required page to "My Favourites", click "Favourites".

Full-screen display
To make the window take up the whole screen, click "Fixed Menu".
During the maximum display, the toolbar and tab are redisplayed once the cursor ( ) is moved to the top of the screen.
To restore the window, right-click anywhere in the window and click "Fixed Menu" on the shortcut menu.

■ Displaying Another Window
To open another window, click "Open a Window". When you click a tab, the window related to the tab appears. You can open up to eight windows simultaneously and you can switch between them.

Click the appropriate tab to display another window.

Adding a Comment to the Displayed Page

Click "Start EasyMarker" on the toolbar to add a marking or a comment to the currently displayed page. You can save the page with the markings and comments in an image file and use it later.
See "Adding Markings and Comments during a Presentation" ☞
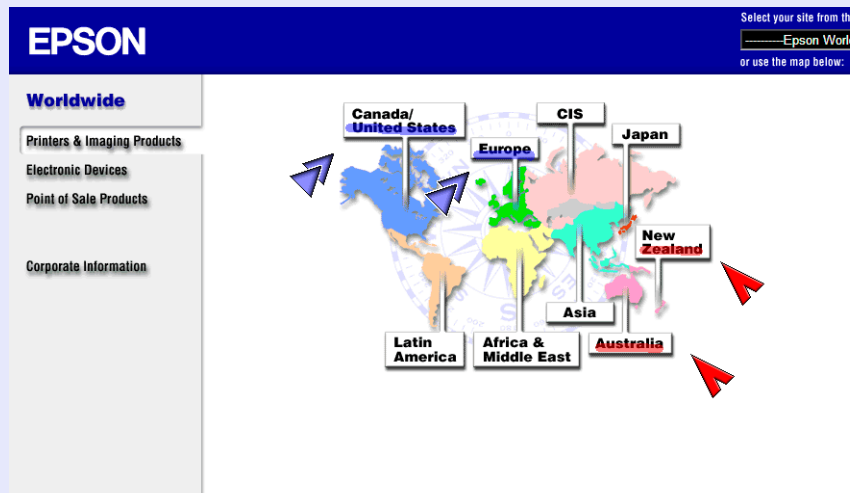
Adding Markings and Comments during a Presentation

Adding Markings and Comments to the Image (EasyMarker)

When EasyBrowser or EasyPlayer projects an image on the screen, a marking or comment can be added to the image using EasyMarker. If you are using EasyMP.net during a presentation, you can add text markings in any colour, as well as arrows (by using the stamp feature). You can also highlight characters.

Startup

The following table shows how to start the Markings and Comments function.

EasyBrowser	Click 🖉 on the toolbar.
EasyPlayer	Right-click from any position during full-screen display of a still image, and click 🖉. You cannot use this function when you are playing motion pictures.
When one of the projector's applications application is started	Click the center button of the mouse, or press the [Effect] button of the remote control.

Toolbar

Click the required button on the toolbar to draw or erase.
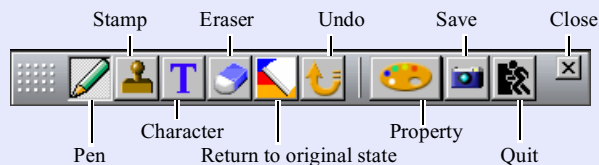
Button	Name	Function
🖉	Pen	Used to draw lines. If semitransparent lines are drawn, the effect is similar to using a highlighter marker pen.
🖺	Stamp	There are 14 different stamp symbols which can be used.
T	Character	Enters text.

Button	Name	Function
🧽	Eraser	Partially erases an entry.
◤	Return to original state	Clears or erases all markings and comments.
↻	Undo	Cancels the last operation.
🎨	Property	To display the properties of the selected pen, stamp, Character and Eraser.
📷	Save	Saves the projected image as an image file.
🏃	Quit	Quits EasyMarker. If you click this button without saving, the image is abandoned.
⌧	Close	Closes the EasyMarker toolbar. To display the toolbar again, right-click on the screen.

Using the Tools

Property Tool 🎨

The properties for pen, stamp, character and eraser tools can be displayed, cleared or changed.

■ Pen Tool 🖉

A line can be drawn by dragging the pencil pointer. The line thickness and colour can be selected from the properties.
The initial value for the pen colour can be changed by using EasyConfiguration (☞ p.21).

Thickness

Filling Colour

Semitransparent Colour

1px
9px
18px
27px
32px

Click to select

You can use a semitransparent colour to mark the background like a highlighter pen.
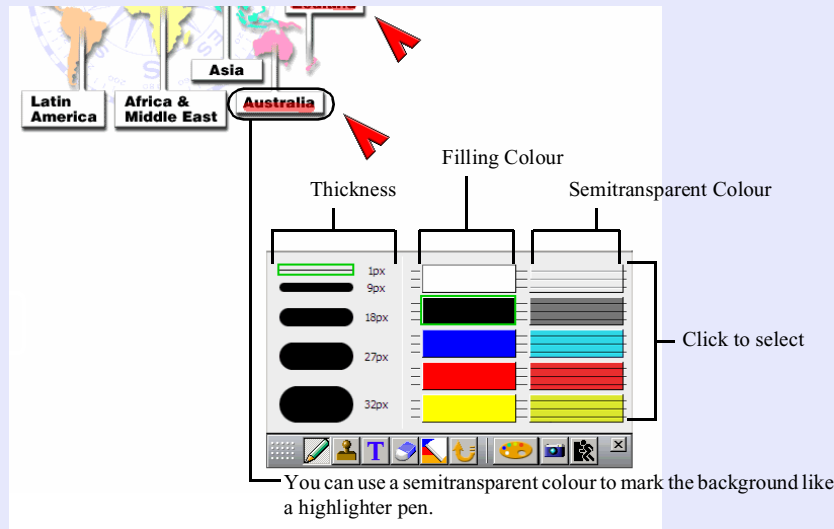
■ Stamp tool 🖋

One of 14 different symbols can be stamped in any position by clicking this tool. Two stamps (horizontal and vertical lines) at the left top position of the palette draw lines from one end to the other end of the screen. (You cannot change the colour and thickness.)

It is drawn here when clicked.

Click to select
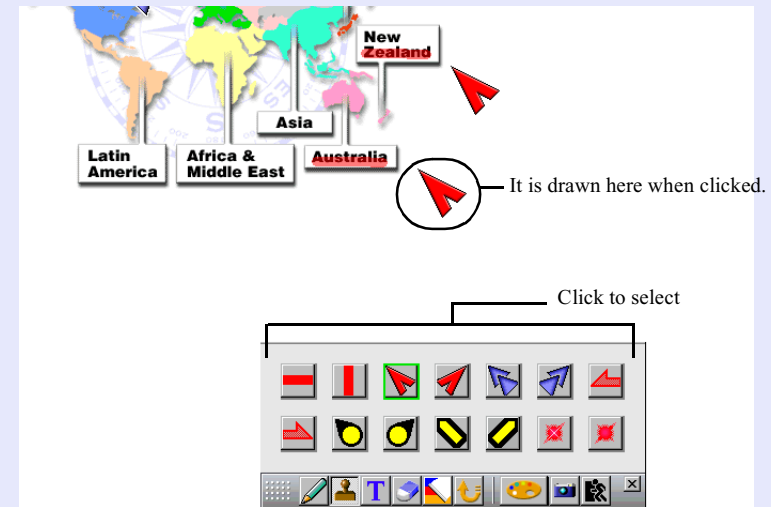
Text Tool T

When you drag from a left upper position to a right lower position, a character input frame appears into which you can enter text.
The size and colour of the text can be selected from the properties.

Drag from the upper left to lower right position to set the text frame size

Character Colour

Text Size

Click to Select
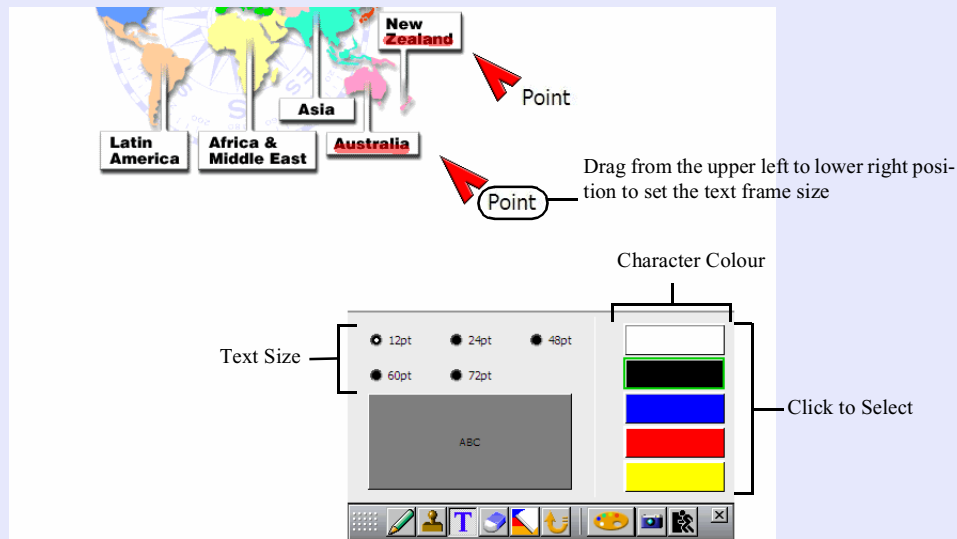
To end the text input, click outside of the text frame. The text is displayed as a image. Once characters are displayed as an image, you cannot change the text.

Eraser and Return to original state Tools

You can erase an image drawn by EasyMarker by dragging the eraser pointer. The width of the eraser can be selected from the properties.
To clear the entire image, click the "Return to original state" tool.

Drag the area you wish to erase

Click to select
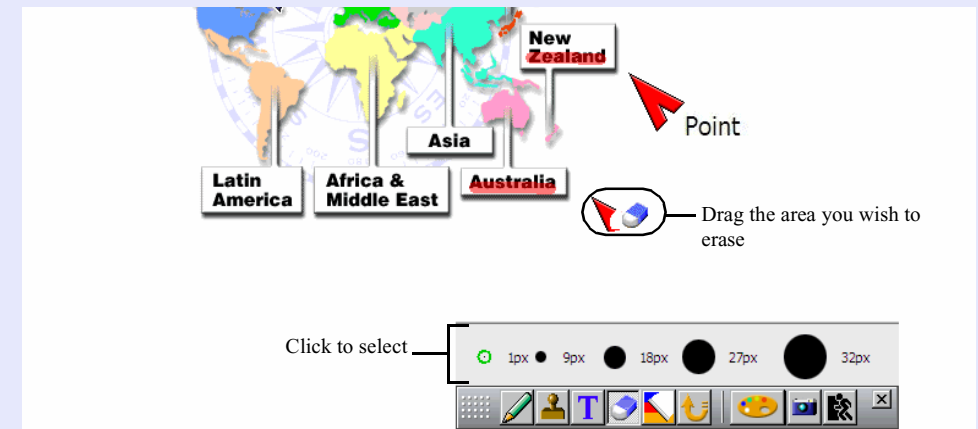
Undo Tool

When this tool is clicked, your last operation is undone (or cancelled). When clicked again, the operation is repeated. Only the last operation can be undone or repeated.

Save Tool

When this tool is clicked, the on-screen image is saved as a bitmap format file. The file format can be changed to JPEG format by using EasyConfiguration (☞ p.21). The file is stored in the folder of the user who has logged in (the user ID name).
☞ "User Registration and Data Management" in *EasyMP.net Setup Guide*.

▌Quit Tool 🏃

When this tool is clicked, EasyMarker is closed and the previous screen appears. All of your entries are cleared. Your entries are only stored in a file when they are saved using the Save tool. (If you have forgotten to select Save, no warning message will be sent to the screen before EasyMarker closes.)

Using the Projector as a Whiteboard (EasyBoard)

EasyBoard allows you to use the projector as a whiteboard. When you start EasyBoard, the toolbar appears on a clear background and you can start drawing an image using the tools.
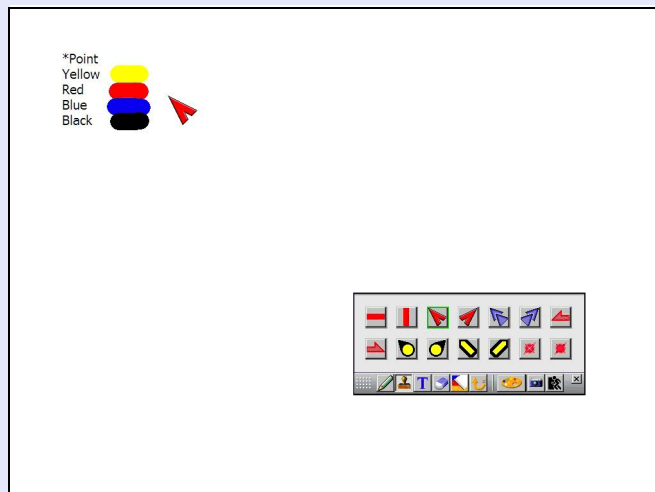
▌Using the Drawing Tools

The tools can be used in the same way as the EasyMarker tools.
See "Using the Tools" .

▌Changing the Initial Values of Background and Pen Colours

The initial values for background and pen colour can be changed by using EasyConfiguration (). Images are easy to see if the black background colour is used when projecting bright images, and the white background colour is used when projecting dark images.

Operating a Network PC (Remote Desktop)

Remote Desktop allows you to operate a network PC from a remote EasyMP.net location running Windows XP Professional. You can log onto any network PC from a remote location and start projection using applications installed on the PC.

This projector

PC

LAN

PC

Windows XP Professional
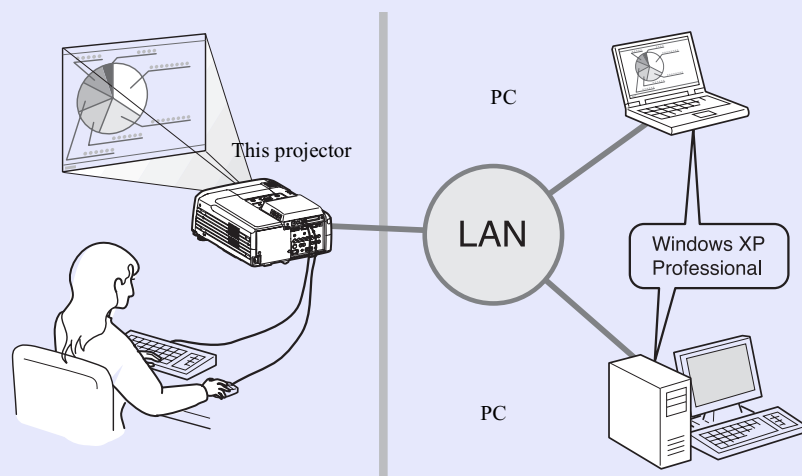
Remote Connection

A remote connection can be established when a network PC with Windows XP Professional is used as a server, which is connected to the EasyMP.net location (serving as a client). The following setup is required on both the PC and the EasyMP.net location.

■ Setup on the PC (Windows XP Professional OS)

Use the following procedure on the network PC (with Windows XP Professional) to enable a remote desktop connection.

PROCEDURE

1 Select "Start" - "Control Panel" and click "System".

2 Click "Remote" and check the "Allow the user to connect to the PC from a remote location" box.

The user (administrator), who has been created when Windows XP Professional OS was first started, has full access rights and can therefore skip Steps 3 and 4.

3 Click the "Select a Remote User" and click "Add".

4 Select the user who wishes to access from a remote location and click "OK".

A user from the Administrators group already has access rights even if these have not yet been set. The user password must be set if this has not been done yet.

TIP

A password for each user must be set. To set the password, click "Start" - "Control Panel" and click "User Account". Select the required user account and set the user password.

■ Setup on the Projector (EasyMP.net)

Use the following procedure to connect the EasyMP.net location to the server PC.

PROCEDURE

1 From the Main Menu or the Task Manager, click "Remote Desktop".

2 **Click "New...".**

3 **When the connection setup dialogue box appears, set the following items (see the table below) and click "OK"**
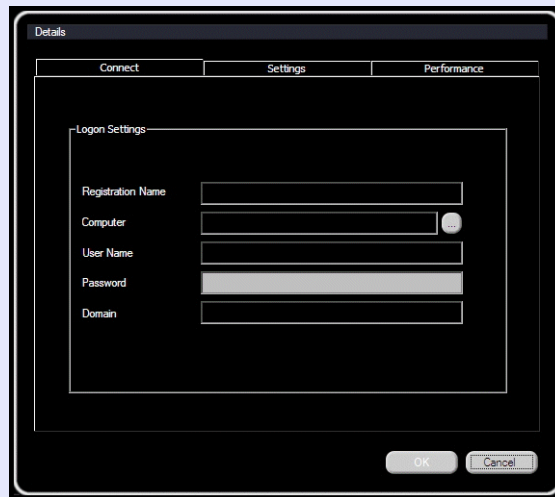
Item	Explanation
Registration name	Enter a name that you can easily understand.
PC	Enter the name or an IP address ▶ of the remote PC (running Windows XP OS).
User name	Enter the user name who has been authorised by Windows XP OS.
Password	Enter the user password.
Domain	Enter the domain name.

Use the "Settings" and "Performance" tabs for enhanced connection setup (see the table below).

Item	Explanation
Screen color	Select a screen colour to be used during remote connection. The available colours may be limited depending on the server setup.
Remote PC sound	Specify the sound play position.
Keyboard	Select the keyboard setup to be used.
Start program.	Specify the program to start when connected. Check the "Start the next program when connected" box, enter the program path and file name, and enter the startup folder.
Enable the following setup.	The following parameters can be set according to the connection speed. A LAN running at 10Mbps or higher is required to select all parameters.
Desktop background	Select to display the desktop background.
Show contnts of the window while dragging.	Select whether or not the window contents should be displayed when dragged.
Menu and window animation	Enable or disable the menu display and window animation of the server at the client.
Themes	Enable or disable the screen background, icons and sounds of the server at the client.
Bitmap caching	Specify to cache the bitmap image at the client.

4 **Double-click the registered icon. The connection dialogue box will appear. Enter the password and click "OK" to establish the connection.**

When the connection is established, the "Windows Logon" screen is projected and you are ready to operate the Windows XP desktop PC from EasyMP.net.

To terminate the remote connection, move the mouse pointer (⬆) to the top of the screen and click ▨▨ .

Setting EasyMP.net Options (EasyConfiguration)

Various network parameters and application defaults can be set using EasyConfiguration. Click the left-hand side menu to start the setup.

Click the required menu.

Managing EasyMP.net Users

Registering/Editing/Deleting a User

"System Management" - "User management"
To register a user, click "Create New" and set the parameters in the table below.
To edit a registered user's data, click the "Edit" button before the user ID you wish to edit.

User ID	Enter an ID to be used in EasyMP.net. One to 20 alphanumeric characters can be entered. No symbols are allowed.
Password	Enter a password for system logon. The password can be 0 to 14 alphanumeric characters.
Reenter password.	Reenter the password for confirmation.

EasyMP.net administrator	Check this box to define the current user as the EasyMP.net administrator. Then this user can set and change the EasyConfiguration data without any access restrictions.
Change the password.	This box appears during user editing. Check this box to change the password.

Deleting a User

To delete a user, select the user and click "Delete".

Controlling Access Rights

"System Management" - "Access Management"
Access rights to allow or limit the access of each user to EasyMP.net can be set using the PC browser.

Access to the common folder	Specify the access right to the "EveryOne" common folder.
Access to EasyMenu	Specify the access right to EasyMenu for projector setup using the PC browser.
Access to EasyRemote	Specify the access right to EasyRemote for control of the projector power and sounds using the PC browser.

Basic System Setup

Setting the Date

"System Management" - "Date and Time"
The projector's built-in clock can be set.

Year	Set the current calendar date and clock time. The hours can be set between 0 and 23 (24-hour system).
Month	
Day	
Hours	
Minutes	
Time Zone	Select an area.
Daylight Savings Time	The summer time system of the United States can be set (you cannot set the summer time of another country).

Setting the Keyboard Layout

"System Management" - "Keyboard"
The keyboard layout can be set. Select a language from the "Keyboard layout".

Maintenance of EasyMP.net

"System Management" - "Maintenance"
The projector setup can be reset to factory defaults.

Initialization	The entire system setup will be returned to the factory default settings.

Network Setup (LAN Setup)

Naming the Projector

"Network" - "Projector Name"
The projector you use can be given a name so that it can be identified on the network.

Projector Name	The projector name can be up to 15 characters. A projector name can consist of alphanumeric characters and hyphens. A projector name consisting of numbers only is not allowed. The projector restarts after the name has been set.
Work Group	Enter a workgroup name of the Windows network.

Network Connection using Network cables

"Network" - "LAN"
The following parameters must be set to connect to a network using a network cable.

MAC address ▶	Display the MAC address
DHCP ▶	Select "ON" to assign the IP address ▶ automatically using the DHCP. Select "OFF" to set the IP address manually.
IP address ▶	Enter the fixed IP address to be assigned to the projector.
Subnet mask ▶	Enter the IP address of the subnet mask.
Gateway address ▶	Enter the IP address of the default gateway.
Primary DNS	Enter the primary IP address of the DNS.
Secondary DNS	Enter the secondary IP address of the DNS.
WINS1	Enter the primary IP address of the WINS server.
WINS2	Enter the secondary IP address of the WINS server.
DNS domain name	Enter the DNS domain name.

Establishing the Wireless LAN

"Network" - "Wireless LAN"

The following networking parameters must be set if a wireless LAN card is inserted into the PC card slot of the projector and used for networking.
The wireless LAN cannot be set if the wireless LAN card is not mounted on the projector.

MAC address ▶	Display the MAC address
DHCP ▶	Select "ON" to assign the IP address ▶ automatically using the DHCP. Select "OFF" to set the IP address manually.
IP address ▶	Enter the fixed IP to be assigned to the projector.
Subnet mask ▶	Enter the the IP address of the subnet mask.
Gateway address ▶	Enter the IP address of the default gateway.
Primary DNS	Enter the primary IP address of the DNS.
Secondary DNS	Enter the secondary IP address of the DNS.
WINS1	Enter the primary IP address of the WINS server.
WINS2	Enter the secondary IP address of the WINS server.
DNS domain name	Enter the DNS domain name.
ESSID	Enter the ESSID of the wireless LAN unit.
WEP	Select "Enabled" and enter a cipher key for ciphering data to be sent. If the cipher key has been registered using WEP, data communication is allowed between devices with the same cipher key only. Enter a cipher key consisting of 10 to 26 ASCII characters or 10 to 26 hexadecimal characters. (No key ID is required because only one WEP key can be defined.)
Adhoc Mode	Select "Enabled" to start direct communication with a PC via the wireless LAN (but without passing through an access point). Set this option to "Enabled" if you wish to select "EasyConnection Mode" (☞ p.24) from the Network Screen.

Establishing the Mail Notification Function

"Network" - "Mail notification function"

The following parameters must be set if a projector error is sent to the PC by mail using the Mail Notification function (☞ p.52)

Mail notification function	Select "ON" to use the mail notification function.
Destination address 1	Specify the destination mail address. The address you have set as "Destination address 1" is also used as the source address. Up to three destinations can be registered.
Destination address 2	
Destination address 3	
IP address of SMTP server	Specify the IP address ▶ and the port number of the SMTP server.
Setting a Notification Event	Shows notification events and their numbers.
Destination address 1	Check the event and its number for each event sent to each address. Check "All" to notify all events.
Destination address 2	
Destination address 3	
Test mail	When "Test" is clicked, a test mail is sent.

Establishing Projector Monitoring

"Network" - "SNMP"

The following parameters must be set if Simple Network Management Protocol (SNMP ▶) is used for projector status monitoring between the projector and a PC through network connection.

TrapIP1	Enter the IP address of the PC to be monitored. Up to two trap IP addresses ▶ can be registered.
TrapIP2	
Community Name	Enter the community name of the SNMP. The name can consist of up to eight alphanumeric characters.

Functions Setup (Application Setup)

Network Screen Setup

"Application" - "NetworkScreen"
Specify whether to use Network Screen or not. When an image from a PC is projected by Network Screen, the use of a projector keyword (optional) is set for PC connection.

NetworkScreen	Select "Use" to use Network Screen.
Projector keyword	Select "Use" to use a projector keyword. If a projector keyword is used, the presentation is not interrupted by unintended wireless LAN signals sent from other devices during image projection by Network Screen. * The projector keyword is set automatically.
Easy connection	Select "Enabled" to use "EasyConnection Mode" (☛ p.24) on the Network Screen. This can be selected only when Adhoc mode has been set to "Enabled" during wireless LAN setup (☛ p.20). When "Enabled" is set, wired LAN cannot be used.

EasyBoard Setup

"Application" - "EasyBoard"
The initial values for EasyBoard background and pen colours can be set. The storage file can also be set.

Background Color	The background colour "White" or "Black" can be selected. "White" is better for dark rooms. "Black" is better for bright rooms.
Default Pen Color	Specify the pen colour that is used immediately after system startup.

Save format	Specify a storage file format. BMP or JPEG formats can be selected.
Image quality(Vaild for JPEG selection onlz)	Select an image quality to be used when images are saved in JPEG file format.

EasyBrowser Setup

"Application" - "EasyBrowser"
The following parameters must be set if EasyBrowser is used to display Internet Web pages.

Detects the setup automatically.	Select "Detect" to automatically detect the proxy server setup and its configuration.
Automatic Configuration script for users.	Check this box to use automatic configuration script. The proxy can be set if "Check theDetailed Setup" is clicked.
Home page	Specify the URL to be displayed first when the system starts. Any page can be selected from the "Favourites Selection" list.
Search page	Specify the URL of the page to be displayed by clicking "Search" on the toolbar. Any page can be selected from the "Favourites Selection" list.
Security	Set a security level to be used when displaying Internet pages.

EasyPlayer Setup

"Application" - "EasyPlayer"
The initial value is set when a slideshow is played back by EasyPlayer.

Slideshow Play Interval	Specify a time interval between slides. It can be 0 to 300 seconds.
Playback Effects	Select special effects during slide change.

Buffer	Set a network buffer size. This is the amount of information that is stored before a file or a stream file is played back by EasyPlayer. Specify the buffer size within the range of 1 to 60.
Connection speed	Select a network connection speed.
Protocols	Select a protocol for streaming file reception. We recommend you select all protocols here. If a firewall is used on the network or if you do not wish to use specific protocols, uncheck those protocols. A specific port can be set for the "Port" of the UDP.
Proxy setup	Set a proxy value for the proxy server used for each protocol. However, the proxy setup is not required if no firewall is used. The protocol operation can be set on the proxy server when each protocol is clicked.
Proxy setup procedure HTTP MMS RTSP	Select one of the following options. - The proxy setup is detected automatically. (Recommended) This allows you to automatically detect an open port and receive a stream via the port. - Use the proxy setup of EasyBrowser. This allows you to access the network using the same configuration as EasyBrower. - Do not use the proxy server. EasyPlayer does not communicate with the proxy server. If this option is selected, no stream will be received from the Internet. - Use the next proxy server. This allows you to use the following proxy server and port to receive a stream.
Address	Enter the IP address ▶▶ of the proxy server you use.
Port	Enter the port number of the proxy server you use.
Bypass proxy server for local address	If checked, EasyPlayer is not connected to the proxy server when a stream sent from the local server is received.
Dose not use the proxy at the next and subsequent addresses.	Enter the URL of the local server used for stream distribution.

Automatic Projection by Schedule (Timer Setup)

Timer

Automatic projection starts if "Create New Timer" is clicked and the timer is set. Up to 10 timer schedules can be registered.

Start Date & Time		Select the Date & Time, Every Day and Every Week, and enter the start time.
Operation Time		Specify the projector operation time in minutes. If "Not specified" is selected, the projector continues to operate until there are no images left.
Video Source		Specify the source of the images to be projected.
Operation		Specify the projection file and address.
	EasyMP.net	Enter the file path in EasyMP.net you wish to project (e.g. everyone/easymp.jpg). The application will start from EasyMP.net.
	Network Computer	Enter the file path of the network PC (e.g. //epson/share/easymp.jpg). An application that can open the file is called from the PC. The user ID and password are also required for system logon.
	URL	Enter the URL of the web page (e.g. http://www.epson.com/) you wish to display using EasyBrower.
Play Settings		Set the following parameters for the slideshow file included in the folder you have specified in "Operation" - "EasyMP.net".
	Slideshow Play Interval	Specify a time interval between slides. The timer interval can range from 0 to 300 seconds.
	Slideshow Playback Effects	Select the special effects during slide change.
	Repeat Play	Select "ON" to repeat the play.

Operations from the PC (via Network)

The following explains how to project images of a network PC and how to change the system setup using the browser. The integrated management by EMP Monitor is also explained.

Projecting PC Images (Network Screen)

If the projector is connected to a PC via a network, images stored in the PC can be projected after a simple setup process.

PC

EMP NS Connection

This projector

PC
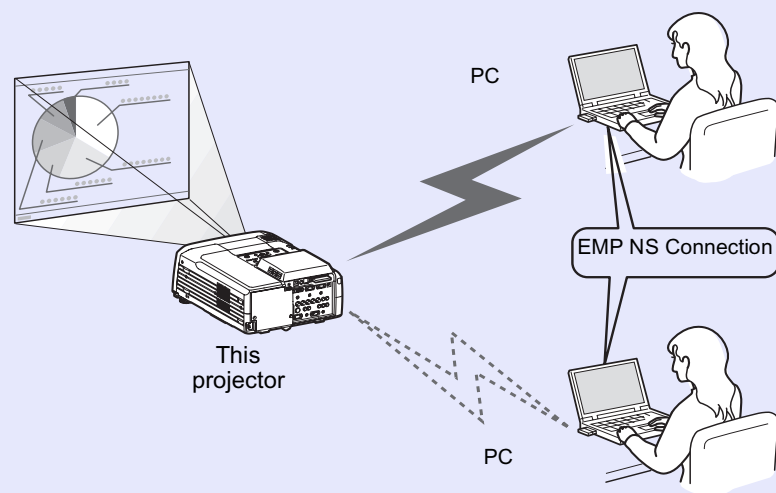
System Configuration Example

EasyConnection Mode

Network Screen allows you to easily connect a PC to the projector in Easy Connection mode. In EasyConnection mode, wireless LAN adhoc mode is used (direct communication without passing through an acces point) and the PC is connected to the projector without using a complicated network setup.
EasyConnection mode can be used if the projector setup is changed in EasyConfiguration. ☞ p.24 "Before Starting the Network Screen".

> **! CAUTION**
>
> *EasyConnection mode cannot be used when connecting to a LAN using a network cable.*

Before Starting the Network Screen

Before starting the Network Screen, perform the following:
- Install EMP NS Connection on the PC.
  ☞ "EasyMP.net Software" in the *EasyMP.net Setup Guide*
- Prepare a network connection for both PC and projector.
- The following options must be set in EasyConfiguration:
  - Set Network Screen to "Use" (☞ p.21).
  - Set the projector keyword to "Use" (☞ p.21).
- Set the following options in EasyConfiguration when connecting the PC and projector in EasyConnection mode.
  - Set "Adhoc mode" to "Enable" for wireless LAN setup (☞ p.20).
  - Set "EasyConnection" to "Enable" for Network Screen setup (☞ p.21).

PC Restrictions

The following restrictions apply if EMP NS Connection is used and PC images are projected by the Network Screen function.

Supported resolution

The screen resolution of the PC is limited to the following when images are projected. A PC which has a resolution higher than the UXGA ▶ standard cannot be used.
- VGA ▶ (640×480 pixels)
- SVGA ▶ (800×600 pixels)
- XGA ▶ (1024×768 pixels)
- Quad-VGA (1280×960 pixels)
- SXGA ▶ (1280×1024 pixels)
- SXGA+ (1400×1050 pixels)
- UXGA (1600×1200 pixels)

If the display resolution of the PC is higher than the XGA resolution, the following message appears during projection.

> Image transfer slows down if the PC resolution is higher than XGA (1024 X 766 pixels). Do you want to continue?

If you click "Yes", the process continues but the display speed drops. If the PC uses a special screen size such as 1280 × 600 pixels, the resolution that matches the number of pixels in the horizontal direction is selected for projection. Blank areas in the vertical direction will be projected in black.

Display colours

The PC screen can project in the following colour modes.
• 8-bit colour (256 colours)
• 16-bit colour
• 24-bit colour
• 32-bit colour
If 24-bit or higher colour mode is selected, the following message appears during projection.

Image transfer slows down if the screen colour exceeds 24 bits. NS connection converts it to 16 bits. Do you want to continue?

If you click "Yes", the process continues but the display speed drops.

Number of Projectors that can be Connected

Up to four projectors can be connected to a single PC, and images can be projected by all four projectors simultaneously.
However, multiple PCs cannot be connected to a single projector.

Other Restrictions

• No sounds are transmitted.
• When motion pictures are projected, the playback will not be as smooth as when they are played on a PC.
• Applications that use partial DirectX functions may not be projected correctly.
• The DOS prompt cannot be projected in full-screen mode.

Connecting to the Projector

Start EMP NS Connection in Windows and connect the PC to the projector.

TIP

Mount the wireless LAN card on the PC before starting EMP NS Connection. The card will not be recognized if it is mounted after EMP NS Connection has been started.

PROCEDURE

1 **Select "Start" - "Program" (or "All Programs") - "EPSON Projector" - "EMP NS Connection" in this order to start the EMP NS Connection software.**

When you are using EMP NS Connection for the first time after its installation, the Network selection screen appears. Select the network interface you will use for connection and click "OK".
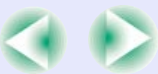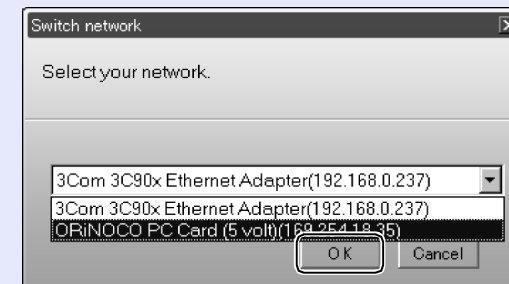
TIP

- *If no IP address ➤➤ has been set on the projector, a message showing "No network adapter is found" may appear. The reason for this is that it takes time to determine an IP address if the connection to DHCP server has failed. Wait for approximately 60 seconds, and repeat the procedure from Step 1.*
- *Once you have selected a network adapter on the Network Selection screen, this screen will not be displayed again when EMP NS Connection is started. If you wish to change the network adapter, select the projector selection screen (see Step 2) and click "Extension". When you click "Switch LAN" on the Extension screen, the Netwok Selection screen appears.*

2 **Check the projector you wish to connect.**

The projector name you have set in EasyConfiguration is displayed (☛ p.19). If you have no destination, you can connect using the procedure on ☛ p.27 "If the Connected Projector is Not Displayed".

This icon indicates the projector status.
Gray: Not connected
Orange: Connected to another PC
Yellow: EasyMP.net is not active.

: Searching....

: No response

Click here.

Click here for ciphering or selecting the connection with IP setup.

TIP

- *When you select a projector which is already connected to another PC, the other PC will be disconnected and the projector will display the image from the new PC.*
- *When you select multiple projectors, you can project an image from a single PC to multiple projectors. Up to four (4) projectors can be selected to project an image from one PC.*
- *Once you have connected a projector or projectors to a PC, you cannot add another projector.*
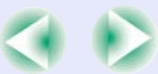
3 **To use data ciphering, click "Extension".**

If you do not want to use ciphering, go to Step 5.

4 **Check the "Use encrypted" box and click "OK".**

5 **Click "Connect".**

6 **Enter the projector keyword in the "Keyword" field and click "OK". The keyword is shown on the projector's standby screen.**

If the projector keyword is not set to "Use" in EasyConfiguration (☞ p.21), the keyword input screen is not displayed.

The projector will be connected to the PC via the network, and the screen of the PC will be projected.

TIP

The projector keyword is changed when you turn the projector power off and turn it on again or when you remove the wireless LAN card from the slot and insert it again. When you connect a projector to a PC, always check the projector keyword on the connection standby screen of the projector and enter it in the "Keyword" field. You cannot use the previous keyword to connect the projector to a PC

When the Network Screen is used, the ◌ button of remote control cannot be used.

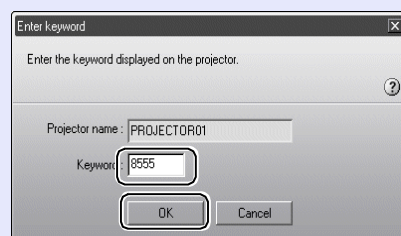*When you take over from a previous presenter and want to use a different PC, restart EMP NS Connection from the new PC. The current connection will be released and the projector will be connected to the new PC automatically.*

When you control a projector from a PC, use Remote Control or the on-screen toolbar. (☞ p.33).

If the Connected Projector is Not Displayed

If the connected projector name is not listed on the Projector Selection screen of EMP NS Connection, select the "Connection with IP setupC mode and specify the IP address ▶▶ as follows.

PROCEDURE

1 **Select "Start" - "Program" (or "All Programs") - "EPSON Projector" - "EMP NS Connection" in this order to start EMP NS Connection.**

2 Click "Extension".
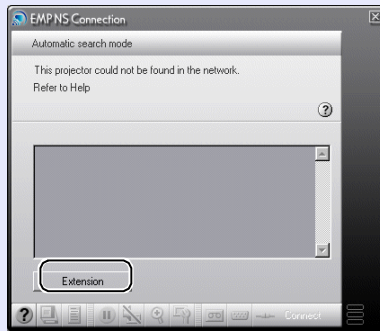
3 Check the "Use IP connect mode" box and click "OK".
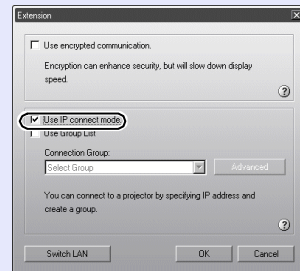
4 Click "IP connection".
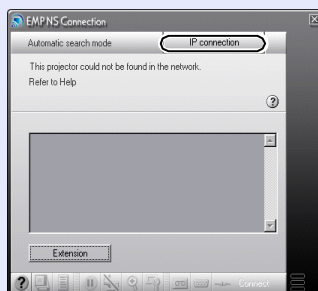
5 Enter the **IP address** ►► of the projector you wish to connect to in the "IP address" box and click "Search".
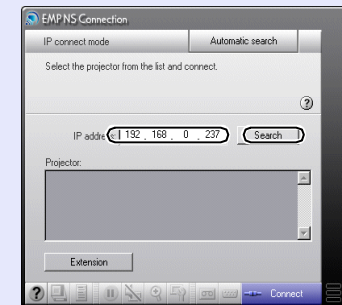
The projector name with specified IP address is displayed in the "Registered Projectors" field. To search for another projector, repeat Step 5.

6 Select the projector you want to connect to, and click "Connect".

The projector name shown on the projector connection standby screen is displayed in the "Searching result" box.

Projector Connection by Creating a Projector Group
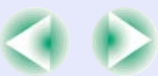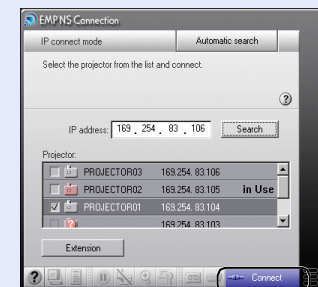
The projector name can be displayed each time EMS NS Connection is started if a group has been created and the projector has been registered in the group. If not registered in the group, the projector name will not be displayed the next time EMS NS Connection is started.
EMS NS Connection allows you to register up to 16 projectors in a single group. The following explains how to create a group and how to connect a projector using the group.

■ Creating a Group

PROCEDURE

1 Select "Start- "Program" (or "All Programs")- "EPSON Projector"- "EMP NS Connection" in this order to start EMP NS Connection.

2 Click "Extension".

3 Check "Use IP-specified connection" and "Use group list", and click "Advanced".
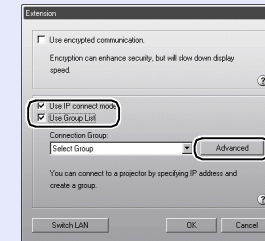
4 To add a group, click "New".
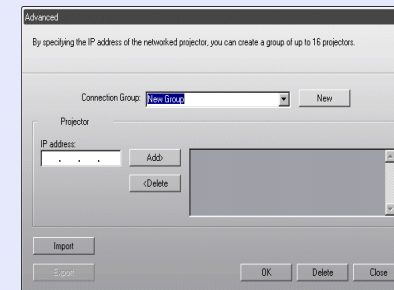
TIP

To edit an existing group, select a group name from "Connection Groups" and proceed to Step 6.

5 Enter a group name in "Connection Group".

6 **Enter an IP address ▶▶ of the projector you wish to register in "IP Address", and click "Add".**

The projector name with the specified IP address will be added to the registered projector list. If you with to register another projector, repeat Step 6.

Up to 16 projectors can be registered in a single group.

To delete a projector from its list, select the projector name and click "Delete".
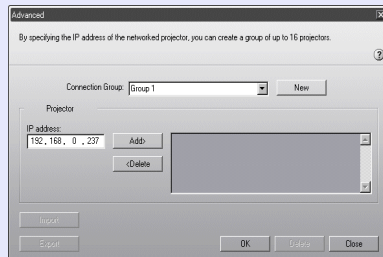
7 **Click "OK".**

When a confirmation message appears, respond with "Yes". The group will be stored.

When you edit and save an existing group or when the group you have specified already exists, an overwrite confirmation message appears. When you click "Yes", the group is stored by overwriting. To save it under a different name, click "No" and enter a group name in "Connection Group".

To delete a group, select it from "Connection Group" and click "Delete".

8 **Click "Close"**

The Extension screen will appear again.

■ **Projector Connection Using a Group**

PROCEDURE

1 **Select "Start"- "Program" (or "All Programs")- "EPSON Projector",- "EMP NS Connection" in this order to start EMP NS Connection.**

2 **Click "Extension".**

**3** **Check "Use IPconnect mode" and "Use group list".**

4 **Select a projector you wish to connect from "Connection Group", and click "OK".**
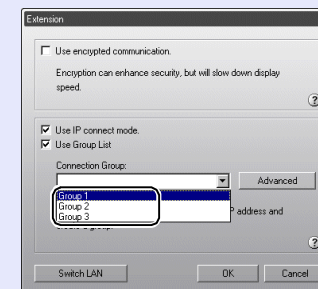
5 **Select a projector you wish to connect, and click "Connect".**

Exporting and Importing a Group

The information of a group can be saved (or exported) in a file, and it can be used on multiple PCs. When you use an exported group information file, you can connect your PC to a projector without searching for a projector if you have changed the PC.

To use the group information on another PC, read (or import) the exported group information in EMP NS Connection. The following explains how to export and import the group information.

Exporting a Group

TIP

•*Before exporting a group, you must create and save at least one group. (☞ p.29)*

•*You cannot export a group while you are creating or editing it.*

PROCEDURE

1 Select "Start"- "Program" (or "All Programs")- "EPSON Projector"-"EMP NS Connection" to start in this order EMP NS Connection.

2 Click "Extension".

3 Check "Use IPconnect mode" and "Use group list", and click "Advanced".

4 Select a group you wish to export from "Connection Group", and click "Export".
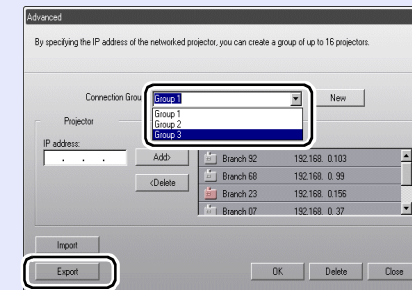
5 Select the destination folder, enter a file name (with an ".ini" extension), and click "Save".

The group information will be exported as the specified file name.

Importing a Group

TIP

While you are creating or editing a group, you cannot import.

PROCEDURE

1 Select "Start"- "Program" (or "All Programs")-"EPSON Projector"-"EMP NS Connection" to start in this order EMP NS Connection.

2 Click "Extension".

3 Check "Use IP-specified connection" and "Use group list", and click "Advance".

4 Click "Import".
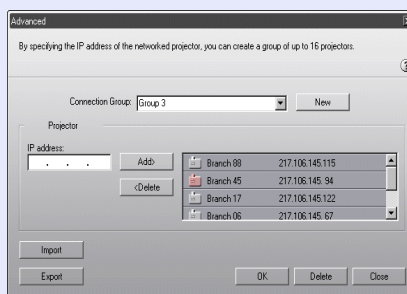
5 Select a file you wish to import, and click "Open".

The imported group name will be displayed on the "Connection Group" list.If the name of an imported group has already been registered on the "Connection Group" list, an overwrite confirmation message is displayed. When you click "Yes", the imported group will be registered by overwriting. When you click "No", the group will not be imported.

Using the Toolbar

The projector is usually controlled by the remote control. However, if EMS NS Connection is used, the projector can be controlled by using the toolbar on the desktop of the connected PC.

TIP

Use the remote control to set up and operate the projector.
☞ *"Selecting the Projection Quality (Colour Mode Selection)",* *"Advanced Operations" in the User's Guide .*

Toolbar

Display the projector's oper-ation URL
Help
Mute
Basic setup
Switches between the PC sources
Quit
Minimize
Pause
E-Zoom
Switches between the video sources
Operation status indicator
Connection Status screen
Disconnect

These buttons have the following functions.

Button	Name	Function
	Help	Displays EMP NS Connection Help.
	Connection Status screen	Turns the Connection Status screen on or off. The icon of the currently connected projector is displayed in green. This button will not allow you to switch between connections or add a projector.

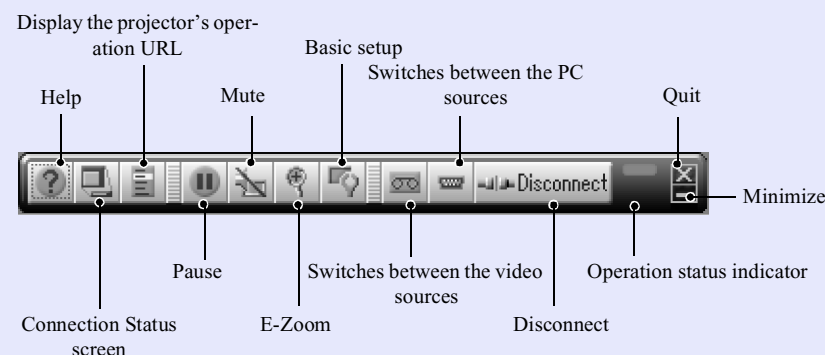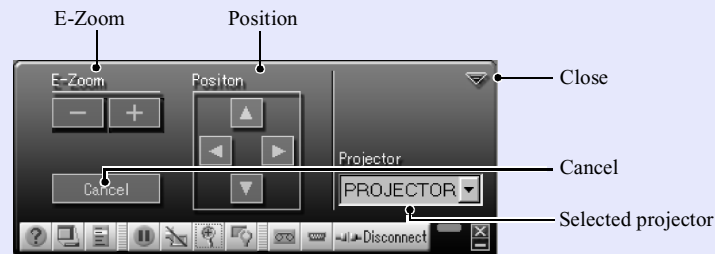| Button	Name	Function
	Display projector operation URL	Starts the Web browser and displays EasyWeb (☞ p.36).
	Pause	Pauses the display. The image source, however, will continue to play. When the pause button is released, the display will continue from the current position of the source image, not from the position where pause was pressed. This is the same function as the Freeze function. ☞ p.60 "Freeze Function" in the *User's Guide*.
	Mute	Clears the display. This is useful if you do not want your audience to see changes you are making on the image source, for example when you are selecting the next file to present. This is the same function as the A/V Mute function of projector. ☞ p.59 "A/V Mute Function" in the *User's Guide*.
	E-Zoom	Displays the E-Zoom setup screen which allows you to enlarge part of the image (☞ p.34). This is the same function as the E-Zoom function of the projector. ☞ p.60 "E-Zoom Function" in the *User's Guide*.
	Basic Setup	Displays the Basic Setup screen for changing brightness, keystone correction, contrast and colour (☞ p.34). The brightness, contrast and colour mode options are the same as those available on the "Video" menu of the projector configuration menu. ☞ p.75 ""Video" Menu" in the *User's Guide*. The keystone correction function is the same as the [Correct Trapezium Distortion] button on the projector control panel. ☞ p.48 "Correcting Distortion in the Projection Area (Keystone Correction)" in the *User's Guide*.
	Switch video sources	Switches the video input source between the "S-Video" ▶▶ , "Video" and "BNC" ports. This function is the same as the [Video/BNC] button on the projector control panel. ☞ p.38 "Turning the Power On and Projecting Images" in the *User's Guide*.

Button	Name	Function
	Switch PC sources	Switches the PC input source between the "DV1" ▶▶ [DV1", "Computer1] or "Computer2" ports on the projector rear panel or to the image of the connected PC. This function is the same as the "Computer/DVI" button on the projector control panel. ☞ p.38 "Turning the Power On and Projecting Images" in the *User's Guide.*
Disconnect	Disconnect	Disconnects the current projectors's network connection.
	Operation status indicator	When the PC and one or more projectors are connected via the network, the top, intermediate and bottom indicators blink alternately. The indicators will not light if the PC and projectors are not connected correctly.
	Quit	Disconnects the current projector's network connection and terminates EMP NS Connection.
	Minimize	Minimizes the toolbar and displays it as a button on the Windows taskbar.

E-Zoom

When "E-Zoom" is clicked, the following setup screen appears for zooming and position adjustment.

E-Zoom   Position   Close

Cancel

Selected projector

Option Name	Function
E-Zoom	Controls the scale of E-Zooming. The "+" enlarges the image, and the "-" reduces the image. This performs the same function as the [⊕] and [⊖] buttons on the remote control.
Position	Moves the selection cross to specify the area to be enlarged or reduced. ▲: Upward ◀: Left ▼: Downward ▶: Right ☞ p.60 "E-Zoom Function" in the *User's Guide.*
Cancel	Cancels E-Zoom and returns to the standard display size.
Projector	Displays the name of the projector to be controlled. E-zoom can only be used for one projector at a time.
Close	Closes the E-Zoom Setup screen.

Basic Setting

When "Basic Setup" is clicked, the following setup screen appears for brightness control, keystone distortion correction, contrast control and colour mode adjustment.

Brightness level   Keystone distortion correction

Contrast

Close

Colour mode

Selected projector
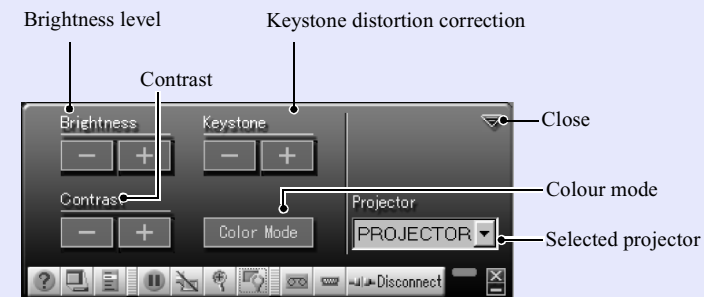
Option Name	Function
Brightness	Adjusts the brightness level of the projected image. +: Increases the brightness. -: Decreases the brightness.
Correct Keystone distortion	Corrects the keystone distortion. +: Narrow top. -: Narrow bottom.
Contrast	Adjusts the contrast of the projected image. +: Increases contrast. -: Decreases contrast.

Option Name	Function
Color mode	Selects one of 5 colour modes to suit the images you are projecting. The brightness level will also vary between the modes. The next mode is selected each time "Color Mode" is clicked according to the following sequence. Presentation → Theatre Dynamic ← sRGB ▶▶ ← Livingroom ←
Selected projector	Displays the name of the selected projector. If multiple projectors are connected to the PC, select the projector that you want to control.
Close	Closes the Basic Setup screen.

TIP

- *Keystone distortion correction will reduce the size of the projected image.*
- *If you experience a lack of uniformity after keystone distortion correction, reduce the sharpness level.* ☞ *p.75""Video" Menu" in the "User's Guide".*
- *Keystone distortion can also be corrected from the projector's configuration menu.* ☞ *p.82 ""Setting" Menu" in the "User's Guide".*
- *If the gauge indicator value does not change when you are correcting keystone distortion, you have exceeded the correction limit. Make sure the projector is not tilted beyond the limit.* ☞ *p.48 "Correcting Distortion in the Projection Area (Keystone Correction)" in the "User's Guide".*

Disconnecting the Network Connection

There are two ways to disconnect the network connection between the projector and the PC. You can either disconnect the PC from the projector or disconnect the projector from the PC.

Disconnecting the Network Connection from the PC

Click "Disconnect" or "Quit" on the EMP NS Connection toolbar.

Quit

Disconnect

- If you click "Disconnect", the network connection is disconnected.
- If you click "Quit", the network connection is disconnected and EMP NS Connection is terminated.

TIP

If multiple projectors are connected to the PC, they will all be disconnected.

### Disconnecting the Network Connection from the Projector

PROCEDURE

1 Press the [ESC] button on the remote control.

2 Select "Quit" and press the [Ente] button on the remote control.

The message "The projector was disconnected from the PC." appears on the PC screen.

Projector Setup from the PC (EasyWeb)

A projector can be set up and operated using a Web browser through a network connection.
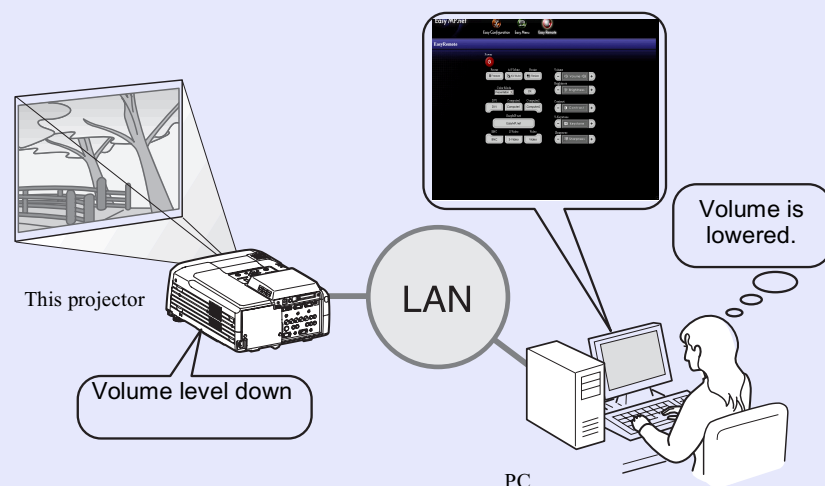
System Configuration Example

Only the administrator or a user with sufficient access rights can access the Change Setup page using a Web browser. Note that EasyConfiguration can be accessed only by the administrator (or a user administrator rights).
Access rights can be assigned to a user by selecting "System Management" - "Access Management" in EasyConfiguration (☞ p.18).

> 👆 **TIP**
>
> *You can set up and operate the projector using EasyWeb even when the projector is in standby mode (when the indicator ⏻ lis orange), but only if you have selected the "Advanced1" - "Standby Mode" from the projector's configuration menu and if you have selected the "Enable Network" option.*

Before Operations

■ Preparing the Projector

Before using EasyWeb, check the following points.
- Prepare both the PC and the projector for connection to the network.

■ Operating Environment

Supported browser software:Internet Explorer (Version 5.01 and higher)
* Set the screen resolution to 1024×768 pixels or higher, and set the display colours to 256 colours or more.

Starting EasyWeb

PROCEDURE

1 **Start your Web browser on the PC.**

2 **Enter the IP address ▸▸ of the projector you wish to use in the Web browser, and connect.**
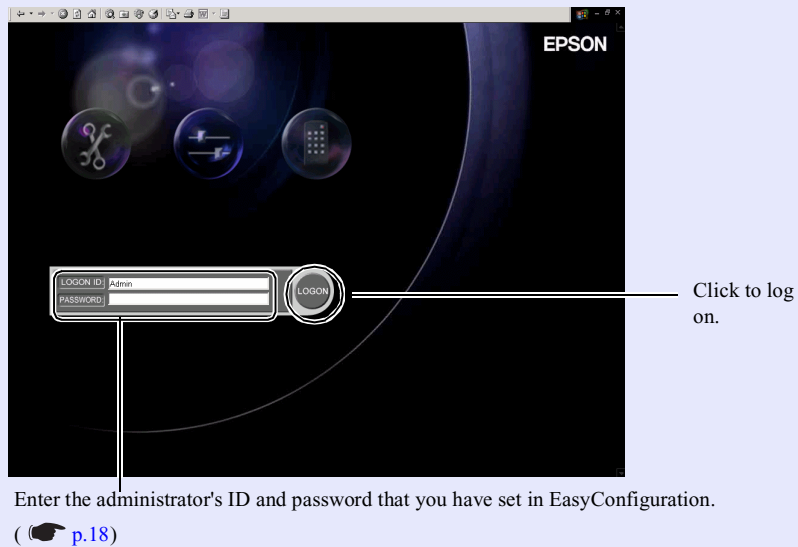
> 👆 **TIP**
>
> *If EMP NS Connection is installed, click "Display the projector operation URL" on the toolbar.*
>
> Display the projector URL

3 **Enter the administrator's ID and password, and click "LOGON".**

Click to log on.

Enter the administrator's ID and password that you have set in EasyConfiguration.

(p.18)

4 **Click "EasyConfiguration", "EasyMenu" or "EasyRemote" to set up or operate the projector.**

Click to select.
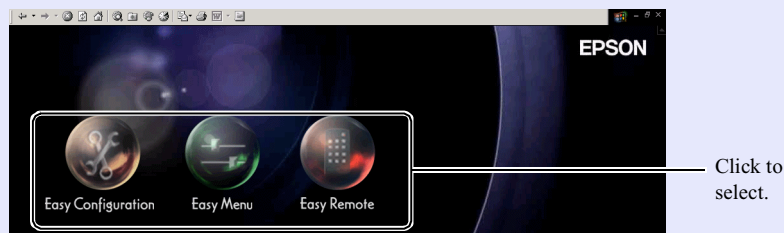
EasyConfiguration

EasyConfiguration allows you to operate the projector using a Web browser in a similar way as EasyConfiguration in EasyMP.net.
For details of the settings that can be made, see the "Setting EasyMP.net Options (EasyConfiguration)" section (p.18) and following sections.

Click the menu you wish to set up.

The setup items are displayed.
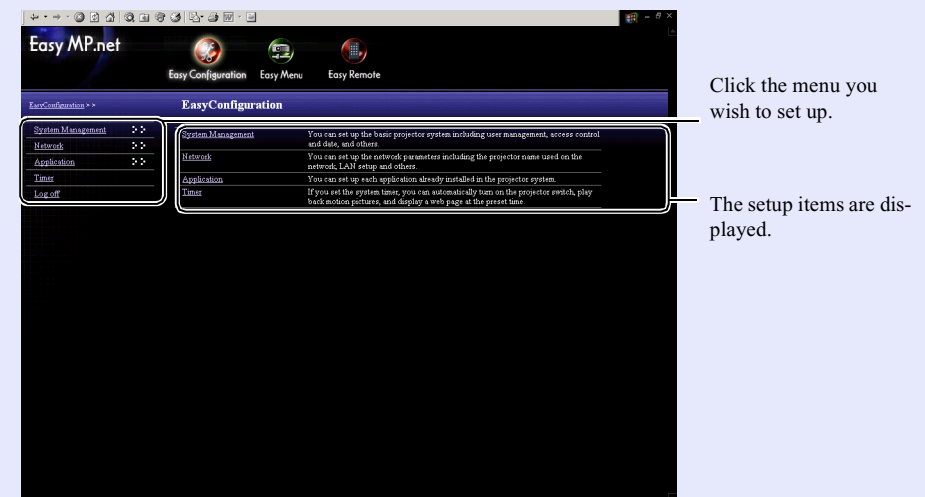
Only the administrator (or a user with administrator rights) can access EasyConfiguration.
To define a user as an administrator, select "System Management" - "User Management" in EasyConfiguration (p.18).

Projector Setup from the PC (EasyWeb)

EasyMenu

EasyMenu allows you to set up the system environment using a Web browser in the same way as the configuration menus of the projector. For a description of the setup elements. ☞ p.74 "Using the Configuration Menu Functions" in the *User's Guide*.
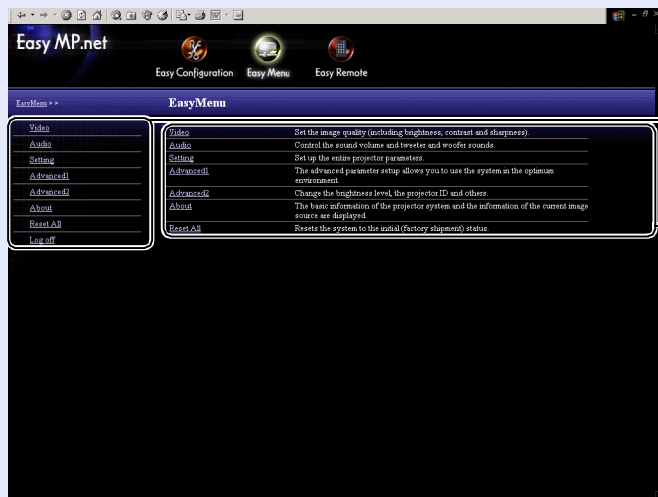
Click the menu you wish to set up.

The setup items are displayed.

EasyRemote

The EasyRemote option allows you to adjust the projector from the PC. For details of the settings that can be made. ☞ See the *User's Guide*.

Click the button for the function you want.

Integrated Management for Projector Status Check and Control (EMP Monitor)

EMP Monitor allows you to check the status of multiple projectors on the network, switch them on or off, and switch between video sources simultaneously. Up to 64 projectors can be monitored and controlled simultaneously.
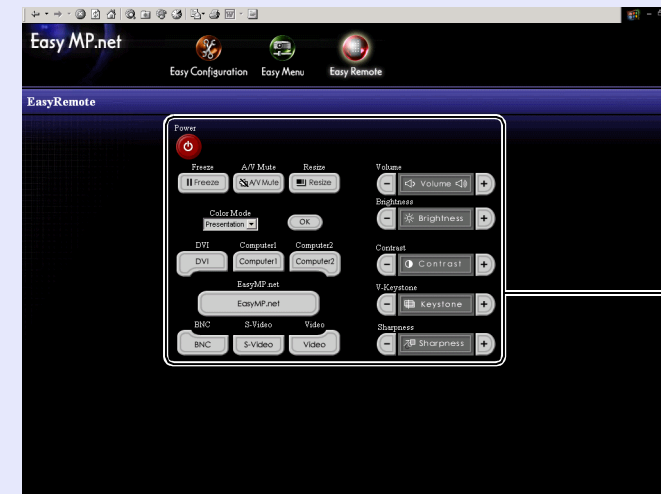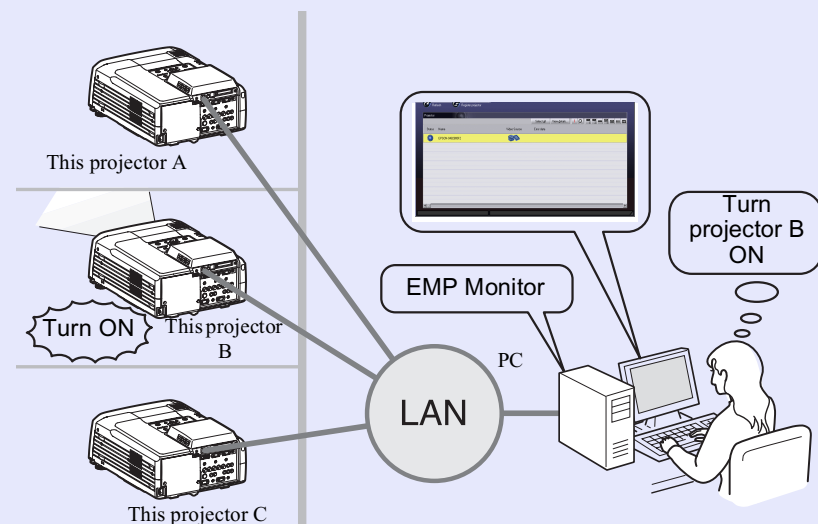
This projector A

Turn ON   This projector B

This projector C

EMP Monitor

PC

LAN

Turn projector B ON

System Configuration Example

TIP

You can monitor projectors even when they are in standby mode (when the indicator light is lit orange), but only if you have selected "Advanced1" and "Standby Mode" from the projector's configuration menu and if you have selected the " ⏻ " option.

Preparing the PC

Read the following notes before installing the EMP Monitor software.

• The EMP Monitor software must be installed on the network PC. ☞ "EasyMP.net Software" in the *EasyMP.net Setup Guide.*

• The PC and projectors must be ready to be connected to the network.

• Only the administrator can start a PC running Windows 2000/NT4.0/XP OS.

Registering Projectors to be Monitored

Use this procedure when you start EMP Monitor for the first time after installation or when you register an additional projector. Once you have registered the projector, the status of registered projectors will be displayed automatically each time you start EMP Monitor.

PROCEDURE

1 **Select "Start" - "Program" (or "All Programs") - "EPSON Projector" - "EMP Monitor" in this order to start EMP Monitor.**

2 **Click "Register projector".**
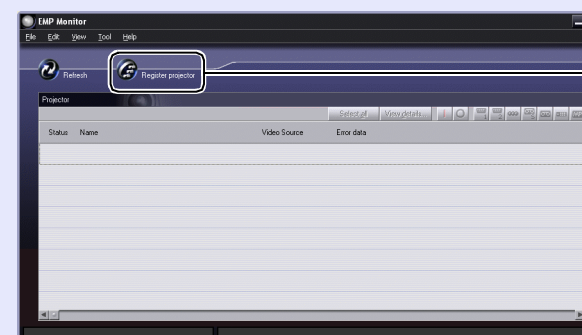
Click to add a projector to be monitored.

The "Register projector" dialogue box will appear.

Register the projector with "Registration Using Auto Detection" (☛ p.40) or "Registration Using the Projector's IP Address (Manual Registration)" (☛ p.41).
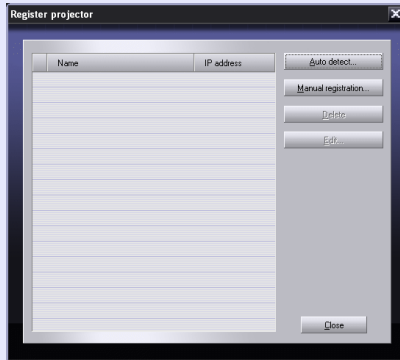
Registration Using Auto Detection

PROCEDURE

1 **In the "Register projector" dialogue box, click "Auto Detection".**

2 **Select the projector(s) you wish to register, and click "Add".**

Multiple projectors can be selected simultaneously. If the projector you want to register is not displayed in the list, use "Registration Using the Projector's IP Address (Manual Registration)" (☛ p.41).
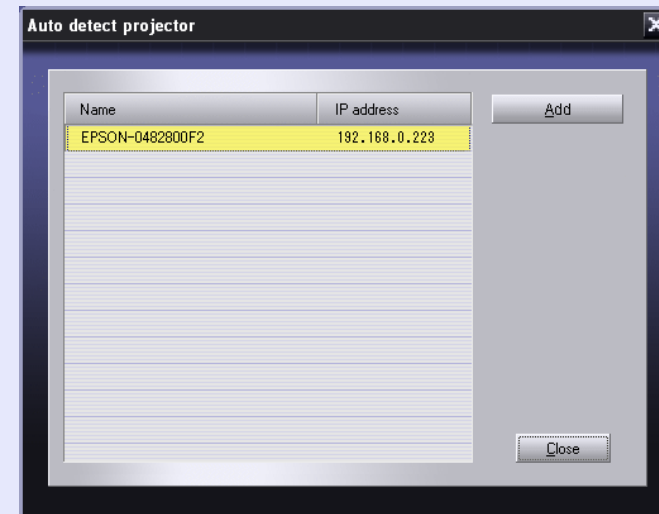
TIP

- *Each time EMP Monitor is displayed, a projector registered by Auto Detection will be detected again, and its IP address ▶ will be shown.*
- *If the password input dialogue box appears, enter the projector's administrator password (with Admin identification) and click "OK". If you have selected multiple projectors, the password input dialogue box will appear for each of them.*

Registration Using the Projector's IP Address (Manual Registration)

1 In the "Register projector" dialogue box, click "Manual Registration".

2 Enter the IP address ▶▶ of the projector you wish to register in the "IP address" field, and click "Confirm".

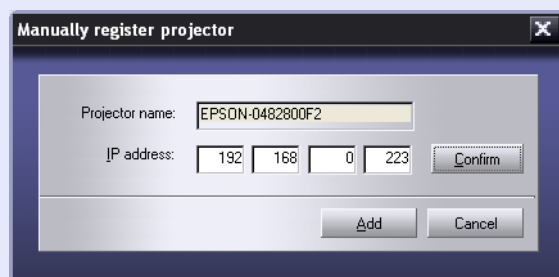When a projector with the same IP addres is found, the projector name is displayed. If this isn't the projector you wanted to register, enter the correct IP address and click "Confirm".

3 Click "Add".

4 Enter the projector's Adminstrator password and click "OK".

Editing the Manually Registered Projector List

If the name or IP address ▶▶ of a manually registered projector has been changed, use the following procedure to edit the projector list.

1 Select the projector you wish to edit in the "Register projector" dialogue box, and click "Edit".

2 When the projector has been renamed, click "Confirm". When the IP address of the projector has been changed, enter the new IP address and click "Confirm".

Make sure that the correct projector name is displayed.

3 Click "Update".

Deleting a Projector from the List

Select the projector you wish to delete from the list shown in the "Register projector" dialogue box, and click "Delete".

Multiple projectors can be deleted from the projector list simultaneously.

EMP Monitor Main Screen

The projector status is displayed on the EMP Monitor main screen. To operate a projector, select it from the projector list and press the button of the function you want.
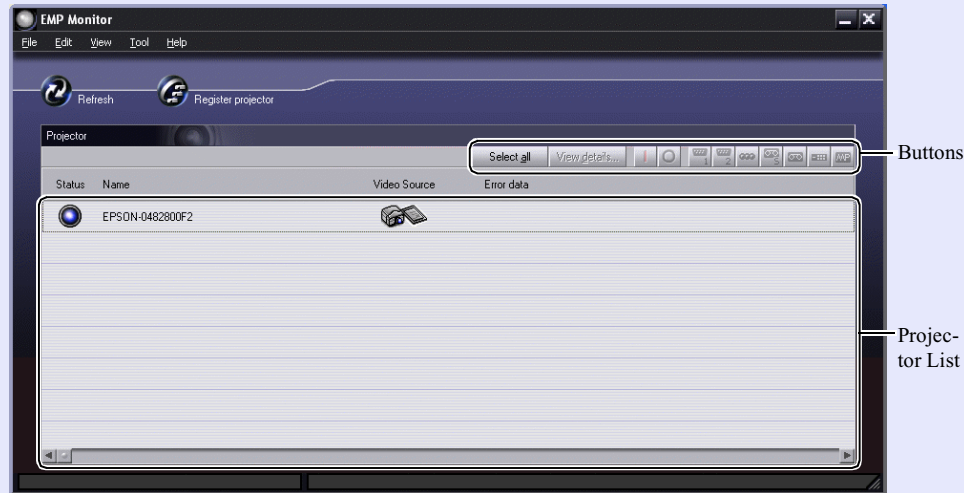
To terminate the projector operation, click the ☒ button in the upper right of the screen.

Button Functions

A projector selected from the projector list can be turned on or off and its source can be switched. Projectors can also be controlled from the "Tools" menu.

Button	Function
"SELECT ALL"	Selects all projectors in the list.
"DETAIL"	Displays detailed information on the selected projector. ☞ p.43
▯	Turns the projector power on.
⬭	Turns the projector power off.

Button	Function
	Switches the video source to the "Computer1" port.
	Switches the video source to the "Computer2" port.
	Switches the video source to the "BNC" port.
	Switches the video source to the "S-Video" ▶▶ port.
	Switches the video source to the "Video" port.
	Switches the video source to the "DVI" ▶▶ port.
	Switches to EasyMP.net.

Projector List

The following projector states are shown on the projector list:

Status: The projector status is indicated by one of the following icons.

	The projector is functioning normally when turned on.
	A error has occurred in the projector when turned on.
	The projector is functioning normally when turned off.
	An error has occurred in the projector when turned off.
	A network error (including the disconnection from the network or unplugged power cable) has occurred.

Name: The projector name is shown.

Input signals: The selected input port is shown.

	Computer1
	Computer2
	BNC
	S-Video ▶▶
	Video
	DVI ▶▶
	EasyMP.net

Error information: If the projector has failed, its status is identified by the following icons.

	Lamp replacement notification	Replace the lamp with a new one. ☞ p.115 "Replacing the Lamp" in "Replacing Consumables" in the *User's Guide*.
	High-speed cooling in progress	See the ☞ p.98 "Problem Solving" section in the *User's Guide*, for instructions on what to do if these errors occur.
	Lap cover open error	
	High internal temperature	
	Internal problem	
	Fan related error	
	Sensor error	

TIP

Error notification information can be obtained using the "Mail Notification function" even when EMP Monitor is not running.
☞ *p.52 "When You Receive a Projector Error E-mail"*

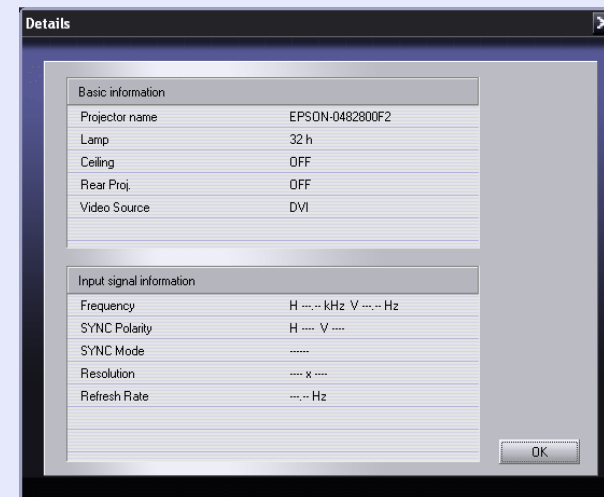### Displaying Detailed Information

PROCEDURE

1 Start EMP Monitor and select the projector of which you wish to see status information.

2 Click "Detailed Display".

Click to display details.

Detailed status information will be displayed in the "Details" dialogue box.

Appendices

These appendices give several network configuration examples for guidance in relation to the environment setup and application hints. It also explains how to install the software on the EasyMP.net location and how to use it.
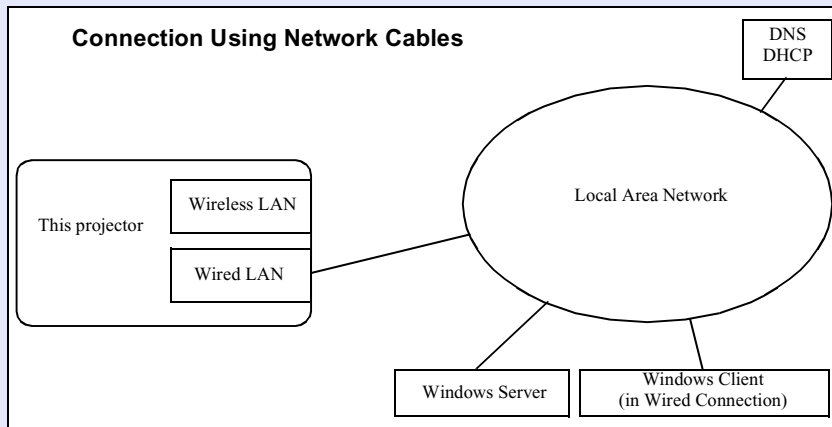
Examples Network Connection Configurations

Local Area Network (LAN) Environments

■ Example 1: Connection Using Network Cables

An Example of Connection Configuration Using Network Cables Only

Network Environment
- A cabled network is in use and a network point is available to connect the projector.
- A Wireless LAN is not installed and it is not possible to use a Wireless LAN port, now or in the future.

Possible Applications
- A file on a network PC can be selected and projected using EasyFile. You do not need to bring the PC to the presentation room.
- The status of the projector can be monitored from a PC connected to the LAN. If multiple projectors have been installed, they can all be monitored from a network PC. You do not need to go to the room where the projector is installed.

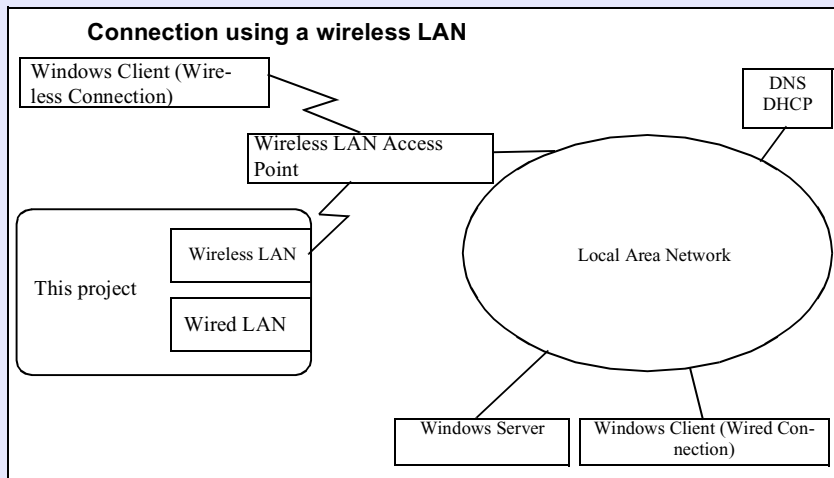**Notes**
- The network cable layout must first be checked if the projector is fixed to the ceiling or other fixed areas.

Connecting the Network Cable Connection

PROCEDURE

1 **Plug the network cable into the Network port on the projector.**

2 **Set up the network connection on EasyMP.net.**
☛ "Establishing a Network Connection (Via a Network Cable)" in the *EasyMP.net Setup Guide.*

Example 2: Connection Using a Wireless LAN Access Point

Connection using a wireless LAN

Windows Client (Wireless Connection)

Wireless LAN Access Point

This project — Wireless LAN / Wired LAN

Local Area Network

DNS DHCP

Windows Server | Windows Client (Wired Connection)

An Example of Connection Configuration Networked via a Wireless LAN Access Point

Network Environment
• A Wireless LAN is in use or the projector is fixed to the ceiling and it is difficult to connect a network cable to it. This is also the case when it will be difficult to use the wireless LAN in the future.

Supported wireless LAN cards
• See "Wireless LAN Card" in the *EasyMP.net Setup Guide*.

Possible applications
• Each presenter can bring their notebook computer (with a wireless LAN port) into the presentation and project files from their computers using a wireless LAN connection.
You do not need to change the PC connection for each presenter.

• The status of the projector can be monitored from a PC connected to the connector. If multiple projectors have been installed, they can all be monitored from a network PC. You do not need to go to the classroom or the conference room where the projector is installed.

Notes
• A RADIUS server or others can be installed to ensure security.

Setting Up the Wireless LAN Connection

PROCEDURE

1 **Insert a wireless LAN card into the PC card slot of the projector.**

2 **Set up the wireless LAN with EasyMP.net.**
☛ "Establishing a Network Connection (Via Wireless LAN)" in the *EasyMP.net Setup Guide*

Example 3: Connection Using a Wireless LAN Access Point and Network Cables
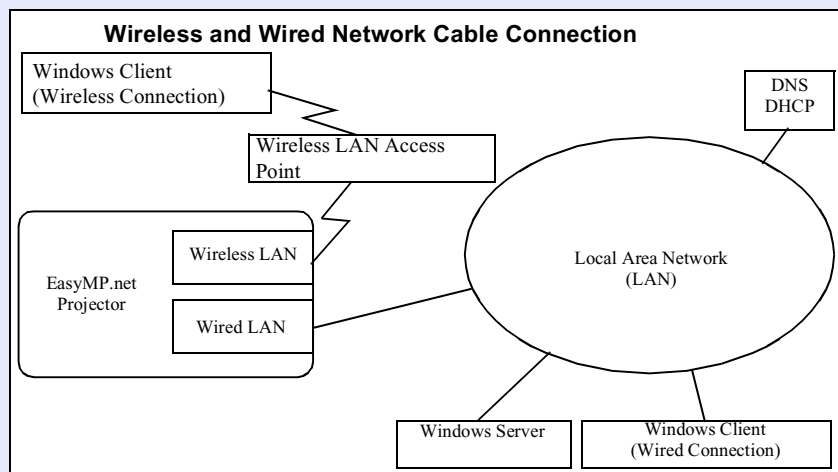
Connection Using Network Cables and Wireless LAN Access Points.

Network Environment
- An access point for the "separate" wireless LAN is or can be installed in the room where the projector is used. However, this point cannot be connected to the office LAN or intra-office LAN.
- It is also possible to connect the cable to the network using cables because a network point is located near the projector.

Supported Wireless LAN cards
See "Wireless LAN Card" in the *EasyMP.net Setup Guide*.

Possible applications
- Each presenter can bring their notebook computer (with a wireless LAN port) into the room where EasyMP.net is used and project files using a wireless LAN connection.You do not need to change the PC connection even when multiple presenters participate.
- A file stored on a network PC can also be used through the network connection. Large files do not need to be copied onto the notebook computer.

- A presenter can use files stored on the network PC for a presentation. They do not need to bring their computer to the presentation room.
- The status of the projector can be monitored from a PC connected to the LAN. If multiple projectors have been installed, they can all be monitored from a network PC. You do not need to go to the room where the projector is installed.

Setting Up a LAN Connection
<Network cable connection>

PROCEDURE

1 **Plug a LAN cable into the projector's network.**

2 **Set up the network connection with EasyMP.net.**
☞ "Establishing a Network Connection (Via a Network Cable)" in the *EasyMP.net Setup Guide*

<Wireless LAN connection>
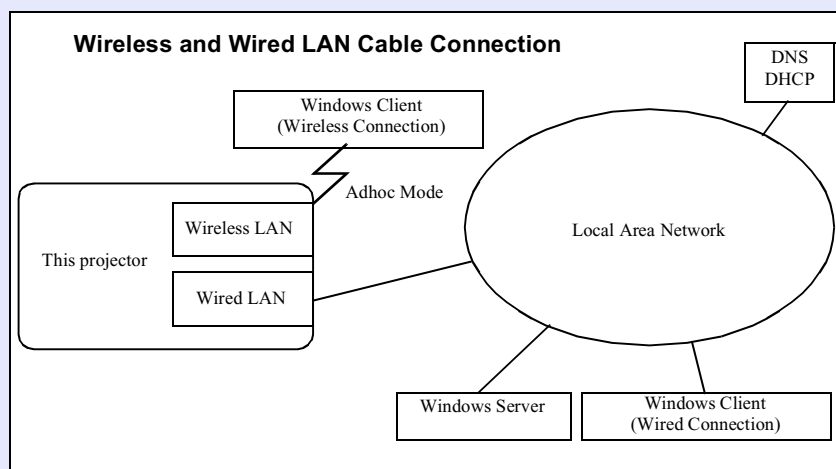
PROCEDURE

1 **Insert the wireless LAN card into the projector's PC card slot.**

2 **Set up a wireless LAN connection with EasyMP.net.**
☞ "Establishing a Network Connection (via Wireless LAN)" in the *EasyMP.net Setup Guide*

Example 4: Connection using Wireless Adhoc Mode and Network Cables

Wireless and Wired LAN Cable Connection

```
Windows Client
(Wireless Connection)          DNS
                               DHCP
            Adhoc Mode
Wireless LAN
This projector        Local Area Network
Wired LAN

          Windows Server    Windows Client
                            (Wired Connection)
```

Connection Wireless Adhoc Mode (without an Access Point) and Network Cables.

Network Environment
- A Wireless LAN has not been set up or an Access Point is not available near the projector.
- It is also possible to connect the cable to the network using cables because a network point is located near the projector.

Supported wireless LAN cards
See "Wireless LAN Card" in the *EasyMP.net Setup Guide*.

Possible applications
- Each presenter can bring their computer (with a wireless LAN port) into the room where the projector is used and project files using a wireless LAN connection.
  You do not need to change the PC connection for each presenter.
- A file stored on a network PC can also be used through a LAN connection. Large files do not need to be copied onto the notebook computer.

- A presenter can use files stored on a network PC for a presentation. They do not need to bring their computer to the room.
- The status of the projector can be monitored from a PC connected to the LAN. If multiple projectors have been installed, they can all be monitored as an integrated management system from the network PC. You do not need to go to the room where the projector is installed.

Notes
- Bi-directional routing communication is not supported in adhoc mode for both network cable connection and wireless LAN connection.

Setting Up the LAN Connection
<Network cable connection>

1 **Plug a network cable into the projector's network.**

2 **Set up a network connection with EasyMP.net.**
☛ "Establishing a Network Connection (Via a Network Cable)" in the *EasyMP.net Setup Guide*

<Wireless LAN connection>

PROCEDURE

1 **Insert the wireless LAN card into the projector's PC card slot.**

2 Set up a wireless LAN connection with EasyMP.net.

☛ "Establishing a Network Connection (via Wireless LAN)" in the *EasyMP.net Setup Guide.*

* Always check "Enable" for "Adhoc mode" during wireless LAN setup.

If No Local Area Network (LAN) is Available

Example 5: Connection Using Wireless Adhoc Mode LAN Only

Wireless LAN Connection

Windows Client (Wireless Connection)

Adhoc Mode

Wireless LAN

This projector

Wired LAN
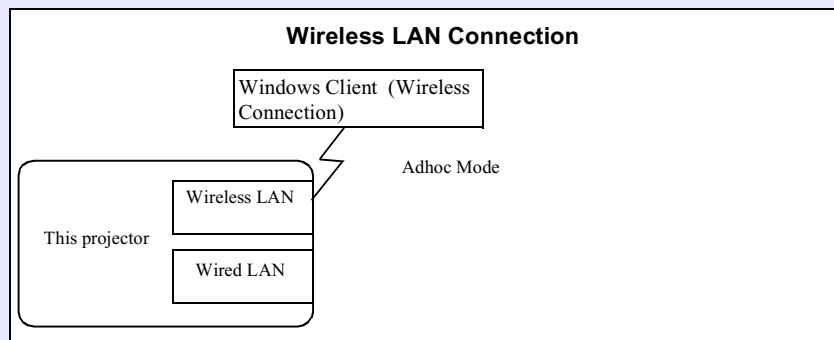
Connection Using only Wireless Adhoc Mode (without an Access Point).

Network Environment
- No cable network or wireless network environment is available.
- The projector is fixed to the ceiling and installation is difficult.

Supported wireless LAN cards

See "Wireless LAN Card" in the *EasyMP.net Setup Guide.*

Possible applications
- Each presenter can bring their notebook computer (with a wireless LAN port) into the room where the projector is installed and project files using a wireless connection.

You do not need to change the PC connection for each presenter.

Notes
- As the projector is not connected to a network, it can only project files from a computer with a Wireless LAN card.

Setting Up a Wireless LAN Connection

PROCEDURE

1 Insert the wireless LAN card into the projector's PC card slot.

2 Set up a wireless LAN connection with EasyMP.net.

☛ "Establishing a Network Connection (via Wireless LAN)" in the *EasyMP.net Setup Guide*

* Always check "Enable" for "Adhoc mode" during wireless LAN setup.

Installing Additional Software

Some software applications supported by Windows XP, including Microsoft PowerPoint, can be installed in the projector. You can install the following software by means of a pre-installed release program ("Software Extension"):
• Application Installer
• Adobe Acrobat Reader
• Microsoft Office XP
• Real One Player
 For detailed information about the application software that can be installed, see the EPSON Web Site.

http://www.epson.co.uk/

⚠ **CAUTION**

When you install and use software applications in the projector, you must abide by the software licence agreement. EPSON cannot be held responsible for problems caused by the breaching of software licence agreements on your part. "Software Extension" does not include licenses for additional application software. It is the customer's responsibility to obtain licences for additional application software.

Installation Procedure

This is an example of how to install Microsoft PowerPoint.
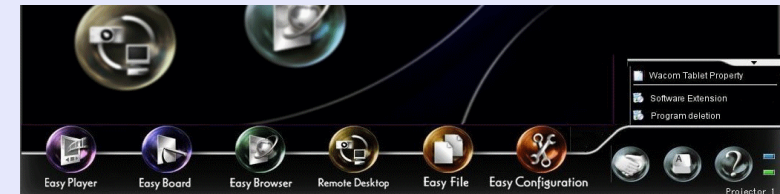
PROCEDURE

1 Click "External Application Launcher" on the Task Manager.

2 Click "Software Extension".

Software Extension will start up. Follow the on-screen instructions.

3 On a network PC, set the CD-ROM drive to "Shared" in Windows, and place the PowerPoint installation CD-ROM in the disk drive.

4 Double-click on the PowerPoint setup program.

The PowerPoint installation will now start. Follow the on-screen instructions.

5 Restart the projector when the PowerPoint installation has finished.

6 To install Adobe Acrobat Reader, you must check both "Application Installer" and "Adobe Acrobat Reader" boxes during application selection in Step 2. The "Application Installation" function is required for the installation of certain applications.
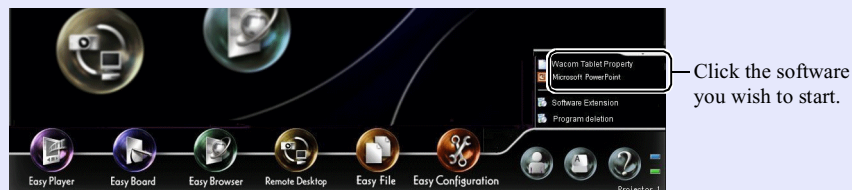
Executing an Installed Program

PROCEDURE

1 Click "External Application Launcher" on the Task Manager.

Software icons for installed programs will be displayed.

— Click to select.
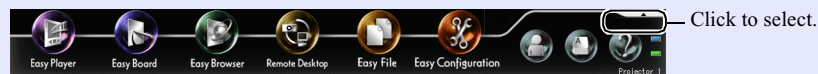
2 Click the icon for the software you wish to start.

Executing an Installed Program. Open the required file for presentation.

—Click the software you wish to start.

When You Receive a Projector Error E-mail

The e-mail heading or subject will be "EPSON Projector".
The following information is contained in the e-mail text.

Line 1: The name of the projector which is not functioning properly.

Line 2: The IP address ▶▶ of the projector which is not functioning properly.

Subsequent lines: Information about the problem that has been encountered.

A single problem is shown on a single line of the e-mail. One of the following messages is shown:

Message*	Possible Cause	Action Taken
Internal error	An internal problem has occurred.	Take appropriate action by referring to the "Reading the Indicators" section in the *User's Guide*.
Fan related error	A problem has occurred in the fan.	
Sensor error	The temperature sensor has failed.	
Lamp cover is open	The lamp cover is open.	
Lamp timer failure	The lamp has not lit.	
Lamp out	The lamp has blown. Replace it.	
Internal temperature error	The inside of the projector has overheated.	
High-speed cooling in progress	The high-speed cooling mode has been selected. Check the filter.	
Lamp replacement notification	The lamp is almost at the end of its life.	
No signal	No signal is being received by the projector.	No image signal is entered in the projector. Check the connection and power of each device.

* A positive (+) or a negative (-) sign is added to the beginning of the message.
The positive (+) sign indicates that an error has occurred on the projector.
The negative (-) sign indicates that the problem has been solved.

General Notice:
EPSON is a registered trademark of SEIKO EPSON CORPORATION.
EasyMP and EasyMP.net are registered trademarks of SEIKO EPSON CORPORATION.
Macintosh, Mac, and iMac are a registered trademark of Apple Computer, Inc.
Windows, Windows NT, PowerPoint, Media Player are trademarks of Microsoft Corporation in the United States of America and other countries.
RealPlayer is a registered trademark of RealNetworks, Inc.
Screen shot(s) reprinted with permission from Microsoft Corporation.
Adobe, Acrobat, and Acrobat Reader are registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Other product names used herein are for identification purposes only and may be trademarks of their respective owners.
This manual has used screen images from Microsoft Corporation Guidelines.